

## Amendment to the Claims

This listing of claims will replace all prior versions, and listings of claims in the application:

### Listing of Claims

Claim 1 (currently amended): A method for permanently dyeing hair which comprises subjecting said hair to a number of treatments, having a set time interval between each two consecutive such treatments, wherein each treatment comprises ~~steps a.) and b.) below:~~

- a.) contacting said hair~~[[,]]~~ for a period of about 5 seconds to about ~~5~~ 2 minutes with a recently made mixture of:

part ai: oxidative dye intermediates in a shampoo base at alkaline pH and wherein part ~~ai optionally has~~ ai comprises about 0.01 to about ~~5.0% 5%~~ of a conditioning agent which is a silicone;

part aii: an oxidative compound in a shampoo base at acidic pH and wherein part aii ~~optionally has~~ comprises about 0.01 to about ~~5.0% 5%~~ of a conditioning agent which is a silicone;

~~with the proviso that at least one of part ai and part aii has about 0.01 to about 5.0% of a conditioning agent;~~

- b.) rinsing said mixture from said hair with water;

and wherein said number of treatments with an identically formulated mixture is between ~~about 2 to~~ and about 30; and wherein said set time interval between each two consecutive treatments is between about 8 hours and 30 days.

Claim 2 (currently amended): A method according to claim 1, wherein said dye intermediate is selected from the group consisting of:

m-aminophenol;  
p-phenylene diamine;  
p-toluenediamine;  
~~p-phenylenediamine;~~  
2-chloro-p-phenylenediamine;  
N-phenyl-p-phenylenediamine;  
N-2-methoxyethyl-p-phenylenediamine;  
N,N-bis-(hydroxyethyl)-p-phenylenediamine;  
2-hydroxymethyl-p-phenylenediamine;  
2-hydroxyethyl-p-phenylenediamine;  
4, 4'-diaminodiphenylamine;  
2,6-dimethyl-p-phenylenediamine;  
2-isopropyl-p-phenylenediamine;  
N-(2-hydroxypropyl)-p-phenylenediamine;  
2-propyl-p-phenylenediamine;  
1,3-N, N-bis-(2-hydroxyethyl)-N,N-bis (4-aminophenyl)- 2-propanol;  
2-methyl-4-dimethylaminoaniline;  
p-aminophenol;  
p- methylaminophenol;  
3-methyl-p-aminophenol;  
2-hydroxymethyl-p-aminophenol;  
2-methyl-p-aminophenol;  
2-(2-hydroxyethylaminomethyl)-p-aminophenol;  
2-methoxymethyl-p-aminophenol;  
~~and~~ 5-aminosalicylic acid;  
catechol;  
pyrogallol;

o-aminophenol;  
2, 4-diaminophenol;  
2,4,5-trihydroxytoluene;  
1,2,4-trihydroxybenzene;  
2- ethylamino-p-cresol;  
2,3-dihydroxynaphthalene;  
5-methyl-o-aminophenol;  
6-methyl-o-aminophenol; and  
2-amino-5-acetaminophenol;  
2-methyl-1- naphthol;  
1-acetoxy-2-methylnaphthalene;  
1,7-dihydroxynaphthalene;  
resorcinol;  
4-chlororesorcinol;  
1-naphthol;  
1,5-dihydroxynaphthalene;  
2,7-dihydroxynaphthalene;  
2-methylresorcinol;  
1-hydroxy-6-aminonaphthalene- 3-sulfonic acid;  
thymol (2-isopropyl-5-methylphenol);  
1,5-dihydroxy-1,2, 3,4-tetrahydronaphthalene;  
2-chlororesorcinol;  
2,3-dihydroxy-1,4- naphthoquinone; and  
1-naphthol-4-sulfonic acid;  
m-phenylenediamine;  
2-(2,4- diaminophenoxy)ethanol;  
N,N-bis(hydroxyethyl)-m-phenylenediamine;  
2,6- diaminotoluene;  
N,N-bis(hydroxyethyl)-2,4-diaminophenetole;  
bis(2,4- diaminophenoxy)-1,3-propane;

1-hydroxyethyl-2,4-diaminobenzene;  
2-amino- 4 hydroxyethylaminoanisole;  
aminoethoxy-2,4-diaminobenzene;  
2,4- diaminophenoxyacetic acid;  
4,6-bis(hydroxyethoxy)-m-phenylenediamine;  
2,4-diamino-5-methylphenetole;  
2,4-diamino-5-hydroxyethoxytoluene;  
2,4- dimethoxy 1,3-diaminobenzene; and  
2,6-bis(hydroxyethylamino) toluene;  
~~m-aminophenol;~~  
2-hydroxy-4- carbamoylmethylaminotoluene;  
m-carbamoylmethylaminophenol;  
6- hydroxybenzomorpholine;  
2-hydroxy-4-aminotoluene;  
2-hydroxy-4-hydroxyethylaminotoluene;  
4,6-dichloro-m-aminophenol;  
2-methyl-m- aminophenol;  
2-chloro-6-methyl-m-aminophenol;  
2-hydroxyethoxy-5- aminophenol;  
2-chloro-5-trifluoroethylaminophenol;  
4-chloro-6-methyl-m- aminophenol;  
N-cyclopentyl-3-aminophenol;  
N-hydroxyethyl-4-methoxy-2-methyl-m-aminophenol; and  
5-amino-4-methoxy-2-methylphenol;  
2-dimethylamino-5-aminopyridine;  
2,4,5,6-tetra-aminopyrimidine;  
4,5-diamino-1-methylpyrazole;  
1-phenyl-3- methyl-5-pyrazolone;  
6-methoxy-8-aminoquinoline;  
2,6-dihydroxy-4-methylpyridine;

5-hydroxy-1,4-benzodioxane;  
3,4-methylenedioxyphenol;  
4-hydroxyethylamino-1,2-methylenedioxybenzene;  
2,6-dihydroxy-3,4- dimethylpyridine;  
5-chloro-2,3-dihydroxypyridine;  
3,5-diamino-2,6- dimethoxypyridine;  
2-hydroxyethylamino-6-methoxy-3-aminopyridine;  
3,4- methylenedioxyaniline;  
2,6-bis-hydroxyethoxy-3,5-diaminopyridine;  
4- hydroxyindole;  
3-amino-5-hydroxy-2,6-dimethoxypyridine;  
5,6-dihydroxyindole;  
7-hydroxyindole;  
5-hydroxyindole;  
2-bromo-4,5- methylenedioxyphenol;  
6-hydroxyindole;  
3-amino-2-methylamino-6- methoxypyridine;  
2-amino-3-hydroxypyridine;  
2,6-diaminopyridine;  
5-(3,5-diamino-2-pyridyloxy)-1,3-dihydroxypentane;  
3-(3,5-diamino-2-pyridyloxy)- 2-hydroxypropanol; and  
4-hydroxy-2,5,6-triaminopyrimidine[[,]];  
or combinations thereof.

Claim 3 (original): A method according to claim 1, wherein said part ai, prior to mixture with part aii, has a pH of about 8 to about 11.

Claim 4 (original): A method according to claim 1, wherein said part aii prior to mixture with said part ai, has a pH of about 3 to about 5.

Claim 5 (currently amended): A method according to claim 1 wherein said part ai comprises:

- A.) from about 0.05 % to about 1.0% of an oxidative hair dye intermediate;  
~~wherein part aii optionally has about 0.01 to about 5.0% of a conditioning agent;~~
- ~~A.)~~ B.) from about 0.1% to about 0.5% of a coupler; and
- ~~B.)~~ C.) from about 1 % to about 80 % of a shampoo base.

Claim 6 (currently amended): A method according to claim 1 wherein part aii comprises:

- A.) from about 10 % to about 90 % of a shampoo base ~~and wherein part aii optionally has about 0.01 to about 5.0% of a conditioning agent;~~
- ~~A.)~~ B.) from about 0.5% to about 2.5% of a volatile silicone; and
- ~~B.)~~ C.) from about 0.1 % to about 5 % of an oxidative compound.

Claim 7 (original): A method according to claim 1 wherein said period for contacting said hair is between about 1/2 minute and about 2 minutes.

Claim 8 (original): A method according to claim 1 wherein said set time interval is between about 1 day and about 3 days.

Claim 9 (original): A method according to claim 1 wherein said hair is highlighted.

Claim 10 (original): A method according to claim 1 wherein said hair has a combing index in the range of about 1.1 to about 4.0.

Claim 11 (original): A method according to claim 1 wherein said hair has a combing index in the range of about 1.2 to about 3.5.

Claim 12 (original): A method according to claim 1 wherein said hair has a combing index in the range of about 1.5 to about 3.0.

Claim 13 (original): A method according to claim 1 wherein said method minimizes hair outgrowth.

Claim 14 (original): A method according to claim 1 wherein said hair has a combing force of about 5 to about 55 gmforce.

Claim 15 (original): A method according to claim 1 wherein said hair has a combing force of about 10 to about 20 gmforce.

Claim 16 (original): A method according to claim 1 wherein said hair has a combing force of about 10 to about 16 gmforce.

Claim 17 (original): A method according to claim 1 which minimizes hair color fading.

Claim 18 (original): A method according to claim 1 which minimizes hair root outgrowth.

Claim 19 (original): A method according to claim 1 wherein said mixture of part ai and part aii delivers delta E of about 0.1 to about 65 on blonde hair and delta E of about 0.1 to about 8 on brown hair.

Claim 20 (original): A method according to claim 1 wherein said hair, after performance of said method, has a ratio IR absorption at 1040/1240 of about 0.01 to 1.5.

Claim 21 (original): A method according to claim 1 wherein said hair, after performance of said method, has a ratio IR absorption at 1040/1240 of about 0.01 to 1.0.

Claim 22 (original): A method according to claim 1 wherein said hair, after performance of said method, has a ratio IR absorption at 1040/1240 of about 0.01 to 0.5.

Claim 23 (original): A method according to claim 1 wherein said oxidative compound is selected from the group consisting of hydrogen peroxide, urea peroxide, melamine peroxide, sodium perborate, sodium percarbonate, and mixtures thereof.

Claim 24 (original): A method according to claim 1 wherein part ai comprises from about 35% to about 98.9% water.

Claim 25 (original): A method according to claim 1, wherein the mixture of part ai and part aii has a neat viscosity of from about 500 cps to about 60,000 cps at 26.7.degree. C., as measured by a Brookfield RVTDCP with a spindle CP-41 at 1RPM for 3 minutes.

Claim 26 (currently amended): A method for maintaining hair color through the use of a permanent hair dye which comprises subjecting said hair to successive treatments, having a set time interval between each two consecutive such treatments, wherein each treatment comprises ~~steps a.) and b.) below:~~



- a.) contacting said hair~~[[,]]~~ for a period of about 5 seconds to about ~~5~~ 2 minutes with a recently made mixture of:

part ai: oxidative dye intermediates in a shampoo base at alkaline pH and wherein part ai ~~optionally has~~ comprises about 0.01 to about ~~5.0% 5%~~ of a conditioning agent;

part aii: ~~An an~~ oxidative compound in a shampoo base at acidic pH and wherein part aii ~~optionally has~~ comprises about 0.01 to about ~~5.0% 5%~~ of a conditioning agent;

~~with the proviso that at least one of part ai and part aii has about 0.01 to about 5.0% of a conditioning agent;~~

- b.) rinsing said mixture from said hair with water;

and wherein said number of treatments with an identically formulated mixture is at least ~~about~~ 2; and wherein said set time interval between each two consecutive treatments is between about 8 hours and 30 days.

Claim 27 (original): A method according to claim 1 wherein said oxidative hair dye intermediates are present at about 0.1% to about 1%.

Claim 28 (original): A method according to claim 1 wherein said oxidative compound is present at about 2 % to about 5 %.

Claim 29 (currently amended): A dispenser for dispensing simultaneously part ai and part aii according to claim 1, which comprises:

- A.) a means for holding part ai and part ~~ai~~ aii in physically separate locations;  
B.) a means for protecting part ai and part aii from air prior to dispensing;

C.) a means for dispensing part ai and part aii in equal amounts and in proximity to each other.

Claim 30 (original): A method according to claim 1 wherein part ai and part aii are mixed by hand.

Claim 31 (original): A method according to claim 1 which comprises rinsing said mixture of part ai and part aii from said hair with water in a shower.

Claim 32 (canceled).

Claim 33 (currently amended): A ~~composition~~ method according to claim ~~32~~ 1 ~~which further comprises~~ wherein the silicone is a volatile silicone present in about 1% to about 4% of a volatile silicone.

Claim 34 (currently amended): A ~~composition~~ method according to claim ~~32~~ 1, wherein said shampoo agent comprises a surfactant selected from the group consisting of amphoteric surfactants, anionic surfactants, zwitterionic surfactants, and mixtures thereof.

Claim 35 (new): A kit for permanently dyeing hair comprising:

(a) a hair coloring composition formed with a part (ai) and a part (aii) comprising each stored in a separate container or each in a separate chamber of a dual chamber container wherein:

part (ai) comprises oxidative dye intermediates in a shampoo base at alkaline pH and further comprising from about 0.01 to about 5% of the conditioning agent which is a silicone compound;

part (aii) comprises an oxidative compound in a shampoo base at acidic pH and further comprising from about 0.01 to about 5% of the conditioning agent which is a silicone;

- (b) instructions advising a consumer to mix parts (ai) and (aii) together forming a mixture just prior to use, then in a treatment contacting the hair, ~~the contact being for~~ a period of about 5 seconds to about 2 minutes, followed by rinsing with water the mixture from the hair, and advising the consumer to repeat contacting and rinsing steps of the treatment with the same mixture between 2 and ~~3~~30 times, time intervals between each two-consecutive treatments being about 8 hours and 30 days.